

ABSTRACT

A linkage mechanism for a pick and place robot includes two rotatable drives mounted on a base and connected to a platform by parallelogram linkages, one assigned to each drive. Each parallelogram linkage may include a series of
5 parallelogram linkages connected to one another by a bell crank that couples drive linkages with location linkages to assure proper positioning of the mechanism. This arrangements permits movement of the platform in two dimensions by selective rotation of the drives.